

Application Serial No: 09/814,487
In reply to Office Action of 18 March 2005

Attorney Docket No. 80095

AMENDMENTS TO THE SPECIFICATION

Amend the paragraph beginning at page 5, line 11, and ending at page 5, line 17 as follows:

It should also be noted that in embodiment 1 as shown in FIG. 1, optical fibers 20 are enclosed in ~~preferably~~ preferably steel tubes 22. The method of enclosing optical fibers in stainless steel tubes is standard in the telecommunications industry. The stainless steel tube 22 replaces one armor wire 18, and thus has a diameter equal to or less than that of the replaced armor wire 18. Alternatively, as shown in FIG. 1, in order to preserve their integrity, the optical fibers 20 are surrounded by ~~preferably~~ preferably steel armor wires 23 of smaller diameter than that of armor wires 18. The bundle of steel armor wires 23 replaces an armor wire 18 and has a diameter equal to or less than the replaced armor wire 18. A KEVLAR™ braided fiber-based sleeve (not shown) ~~maybe~~ may be placed around the outer layer of the bundle of armor steel armor wires 23 to keep them together as one unit. Alternatively, as shown in FIG. 1, the optical fiber 20 is surrounded by the bundle of steel armor wires 23, which in turn is enclosed in steel tube 22 having a diameter equal to or less than an armor wire 18 to keep the bundle of steel armor wires 23 together as one unit. The method disclosed here is distinguished

Application Serial No: 09/814,487
In reply to Office Action of 18 March 2005

Attorney Docket No. 80095

from the Holmberg patent in that ~~the steel tube (or steel armor~~
~~wire bundle) containing the optical fiber~~ is located in the outer
armor wire layer.